

FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

KCC-16,986

SERIAL NO.

10/010,965

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Paul J. DATTA et al.

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>RM</i>	AA	4,443,513	04/1984	Meirner et al.			
	AB	4,663,220	05/1987	Wisneski et al.			
	AC	4,704,116	11/1987	Enloe			
	AD	4,798,603	01/1989	Meyer et al.			
	AE	4,965,122	10/1990	Morman			
	AF	4,981,747	01/1991	Morman			
	AG	5,114,781	05/1992	Morman			
	AH	5,176,668	01/1993	Bernardin			
	AI	5,176,671	01/1993	Roessler et al.			
	AJ	5,176,672	01/1993	Bruemmer et al.			
	AK	5,192,606	03/1993	Proxmire et al.			

## FOREIGN PATENT DOCUMENTS

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<i>RM</i>	AL	0 217 032	04/1987	EPO	B04H	13/00		
	AM							
	AN							
	AO							
	AP							

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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*K.M. Leuchter*

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>pm</i>	AA	5,244,482	09/1993	Hassenboehler, Jr. et al.			
	AB	5,226,992	07/1993	Morman			
	AC	5,509,915	04/1996	Hanson et al.			
	AD	5,370,634	12/1994	Ando et al.			
	AE	6,022,431	02/2000	Blenke et al.			
	AF	6,022,432	02/2000	Elsberg et al.			
	AG	6,113,717	09/2000	Vogt et al.			
	AH						
	AI						
	AJ						
	AK						

## FOREIGN PATENT DOCUMENTS

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	AM							
	AN							
	AO							
	AP							

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

*K. Ph. Leiche*

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6-17-02

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>RM</i>	AA	Des. 2,073,673	03/2002	Procter & Gamble			
	AB	Des. 2,071,383	03/2002	Smith			
	AC	Des. 2,073,674	03/2002	Procter & Gamble			
	AD	H 1,440	05/1995	New et al.			
	AE	H 1,674	08/1997	Ames et al.			
	AF	H 1,698	11/1997	Lloyd et al.			
	AG	Des. 341,197	11/1993	Patterson			
	AH	Des. 342,786	12/1993	De Gooijer			
	AI	Des. 343,681	01/1994	Hull			
	AJ	Des. 361,839	08/1995	Doss			
	AK	Des. 372,532	08/1996	Rossini et al.			

## FOREIGN PATENT DOCUMENTS

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<i>RM</i>	AL	0 233 704 B1	07/1992	EPO				
	AM	0 235 014 B1	07/1991	EPO				
	AN	0 400 111 B1	08/1994	EPO				
	AO	0 570 980 B1	07/1997	EPO				
	AP	0 587 196 B1	03/1999	EPO				

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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*K. M. Reiche*

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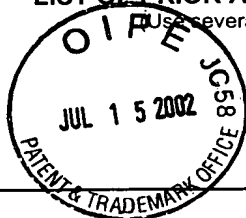
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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Rm</i>	AA	Des. 383,207	09/1997	Cassell			
	AB	Des. 389,320	01/1998	Vinnage et al.			
	AC	Des. 403,404	12/1998	Bernard et al.			
	AD	Des. 403,402	12/1998	Dreier et al.			
	AE	Des. 290,780	07/1987	Wistrand			
	AF	Des. 421,802	03/2000	Van Gompel et al.			
	AG	Des. 422, 078	03/2000	Vukos et al.			
	AH	4,981,747	01/1991	Morman			
	AI	5,061,261	10/1991	Suzuki et al.			
	AJ	5,032,450	07/1991	Rechlicz et al.			
	AK	5,106,385	04/1992	Allen et al.			

## FOREIGN PATENT DOCUMENTS

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<i>Rm</i>	AL	0 597 331B1	11/1997	EPO				
	AM	0 691 203 A1	01/1996	EPO				
	AN	0 707 106 A1	04/1996	EPO				
	AO	0 734 321 B1	03/1999	EPO				
	AP	0 757 550 B1	12/1998	EPO				

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*K. M. Reichle*

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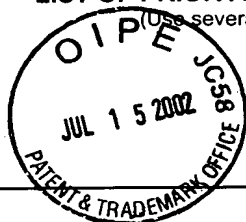
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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>pr</i>	AA	5,114,781	05/1992	Morman			
	AB	5,116,662	05/1992	Morman			
	AC	5,151,092	09/1992	Buell et al.			
	AD	5,163,932	11/1992	Nomura et al.			
	AE	5,169,712	12/1992	Tapp			
	AF	5,196,000	03/1993	Clear et al.			
	AG	5,208,098	05/1993	Stover			
	AH	5,238,733	08/1993	Joseph et al.			
	AI	5,221,274	06/1993	Buell et al.			
	AJ	5,226,992	07/1993	Morman			
	AK	5,234,423	08/1993	Aleman et al.			

## FOREIGN PATENT DOCUMENTS

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<i>pr</i>	AL	0 880 956 A2	12/1998	EPO				
	AM	94/18927	09/1994	PCT				
	AN	94/26222	11/1994	PCT				
	AO	94/17768	08/1994	PCT				
	AP	96/18367	06/1996	PCT				

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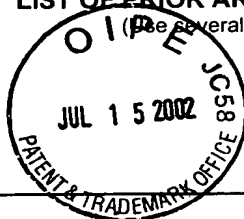
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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>RL</i>	AA	5,242,436	09/1993	Weil et al.			
	AB	5,294,478	03/1994	Wanek et al.			
	AC	5,304,161	04/1994	Noel et al.			
	AD	5,312,387	05/1994	Rossini et al.			
	AE	5,320,891	06/1994	Levy et al.			
	AF	5,336,545	08/1994	Morman			
	AG	5,358,500	10/1994	Lavon et al.			
	AH	5,366,451	11/1994	Levesque			
	AI	5,368,584	11/1994	Clear et al.			
	AJ	5,370,634	12/1994	Ando et al.			
	AK	5,383,871	01/1995	Carlin et al.			

## FOREIGN PATENT DOCUMENTS

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<i>RL</i>	AL	96/03101	02/1996	PCT				
	AM	96/35402	11/1996	PCT				
	AN	96/19174	06/1996	PCT				
	AO	96/01094	01/1996	PCT				
	AP							

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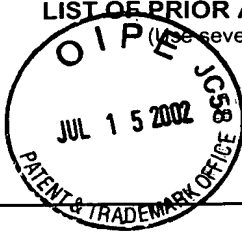
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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Pat</i>	AA	5,393,599	02/1995	Quantrille et al.			
	AB	5,413,811	05/1995	Fitting et al.			
	AC	5,409,761	04/1995	Langley			
	AD	5,407,507	04/1995	Ball			
	AE	5,439,458	08/1995	Noel et al.			
	AF	5,454,803	10/1995	Sageser et al.			
	AG	5,482,765	01/1996	Bradley et al.			
	AH	5,466,513	11/1995	Wanek et al.			
	AI	5,492,753	02/1996	Levy et al.			
	AJ	5,496,298	03/1996	Kuepper et al.			
	AK	5,496,429	03/1996	Hasse et al.			

## FOREIGN PATENT DOCUMENTS

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<i>Pat</i>	AL	97/23180	07/1997	PCT				
	AM	97/25951	07/1997	PCT				
	AN	98/05813	02/1998	PCT				
	AO	98/29246	07/1998	PCT				
	AP	98/29247	07/1998	PCT				

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Pr</i>	AA	5,507,895	04/1996	Suekane			
	AB	5,507,736	04/1996	Clear et al.			
	AC	5,514,470	05/1996	Haffner et al.			
	AD	5,527,304	06/1996	Buell et al.			
	AE	5,531,732	07/1996	Wood			
	AF	5,540,976	07/1996	Shawver et al.			
	AG	5,542,942	08/1996	Kline et al.			
	AH	5,542,943	08/1996	Sageser			
	AI	5,554,144	09/1996	Roe et al.			
	AJ	5,554,145	09/1996	Roe et al.			
	AK	5,569,232	10/1996	Roe et al.			

## FOREIGN PATENT DOCUMENTS

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<i>Pr</i>	AL	98/29479	07/1998	PCT				
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	AN	98/35641	08/1998	PCT				
	AO	98/51474	11/1998	PCT				
	AP	99/14262	03/1999	PCT				

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Ry	AA	5,545,275	08/1996	Herrin et al.			
	AB	5,554,143	09/1996	Roe et al.			
	AC	5,556,394	09/1996	Roe et al.			
	AD	5,560,974	10/1996	Langley			
	AE	5,571,096	11/1996	Dobrin et al.			
	AF	5,575,783	11/1996	Clear et al.			
	AG	5,580,411	12/1996	Nease et al.			
	AH	5,582,903	12/1996	Levy et al.			
	AI	5,591,152	01/1997	Buell et al.			
	AJ	5,595,567	01/1997	King et al.			
	AK	5,618,366	04/1997	Suekane			

## FOREIGN PATENT DOCUMENTS

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Rz	AL	99/18906	04/1999	PCT				
	AM	99/21522	05/1999	PCT				
	AN	99/37263	07/1999	PCT				
	AO	99/37839	07/1999	PCT				
	AP	99/48452	09/1999	PCT				

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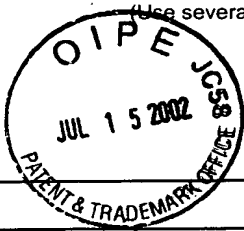
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3764 3708

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RZ	AA	5,603,708	02/1997	Seth			
	AB	5,624,420	04/1997	Bridges et al.			
	AC	5,626,574	05/1997	Sasaki et al.			
	AD	5,628,737	05/1997	Dobrin et al.			
	AE	5,634,916	06/1997	Lavon et al.			
	AF	5,643,239	07/1997	Bodford et al.			
	AG	5,643,242	07/1997	Lavon et al.			
	AH	5,653,704	08/1997	Buell et al.			
	AI	5,662,636	09/1997	Benjamin et al.			
	AJ	5,669,897	09/1997	Lavon et al.			
	AK	5,674,216	10/1997	Buell et al.			

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RZ	AL	99/53881	10/1999	PCT				
	AM	99/60966	12/1999	PCT				
	AN	99/60967	12/1999	PCT				
	AO	99/60968	12/1999	PCT				
	AP	99/60972	12/1999	PCT				

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K. M. Reschle

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>RM</i>	AA	5,680,653	10/1997	Mathis et al.			
	AB	5,683,533	11/1997	Keighley et al.			
	AC	5,690,626	11/1997	Suzuki et al.			
	AD	5,690,627	11/1997	Clear et al.			
	AE	5,693,038	12/1997	Suzuki et al.			
	AF	5,695,849	12/1997	Shawver et al.			
	AG	5,695,868	12/1997	McCormack			
	AH	5,705,013	01/1998	Nease et al.			
	AI	5,702,551	12/1997	Huber et al.			
	AJ	5,709,921	01/1998	Shawver			
<i>2</i>	AK	5,718,698	02/1998	Dobrin et al.			

## FOREIGN PATENT DOCUMENTS

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<i>RM</i>	AL	99/60974	12/1999	PCT				
	AM	99/60973	12/1999	PCT				
	AN	00/46023	08/2000	PCT				
	AO	95/27460	10/1995	PCT				
<i>2</i>	AP	95/27462	10/1995	PCT				

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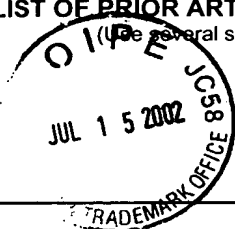
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>PM</i>	AA	5,728,451	03/1998	Langley et al.			
	AB	5,735,838	04/1998	Rönnberg et al.			
	AC	5,735,840	04/1998	Kline et al.			
	AD	5,749,866	05/1998	Roe et al.			
	AE	5,779,691	07/1998	Schmitt			
	AF	5,788,685	08/1998	Rönnberg et al.			
	AG	5,789,065	08/1998	Haffner et al.			
	AH	5,810,797	09/1998	Menard et al.			
	AI	5,817,081	10/1998	LaVon et al.			
	AJ	5,830,206	11/1998	Larsson			
	AK	5,843,057	12/1998	McCormack			

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*K.M. Leech*

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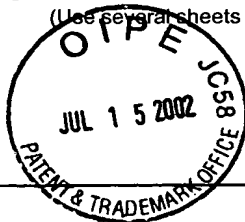
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>KM</i>	AA	5,843,066	12/1998	Dobrin			
	AB	5,846,232	12/1998	Serbiak et al.			
	AC	5,853,881	12/1998	Estey et al.			
	AD	5,855,574	01/1999	Kling et al.			
	AE	5,855,999	01/1999	McCormack			
	AF	5,865,823	02/1999	Curro			
	AG	5,865,926	02/1999	Wu et al.			
	AH	5,876,390	03/1999	Hall et al.			
	AI	5,883,028	03/1999	Morman et al.			
	AJ	5,891,120	04/1999	Chmielewski			
<i>✓</i>	AK	5,897,545	04/1999	Kline et al.			

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<i>KM</i>	AL	95/27463	10/1995	PCT				
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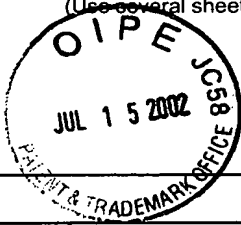
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>PKL</i>	AA	5,906,008	05/1999	Heki et al.			
	AB	5,910,225	06/1999	McAmish et al.			
	AC	5,906,604	05/1999	Rönnberg et al.			
	AD	5,913,850	06/1999	D'Alessio et al.			
	AE	5,914,084	06/1999	Benson et al.			
	AF	5,916,207	06/1999	Toyoda et al.			
	AG	5,921,977	07/1999	Schmitz			
	AH	5,926,926	07/1999	Kato			
	AI	5,925,027	07/1999	Schmitz			
	AJ	5,928,209	07/1999	Bodford et al.			
	AK	5,932,497	08/1999	Morman et al.			

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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RM	AA	5,938,648	08/1999	LaVon et al.			
	AB	5,957,908	09/1999	Kline et al.			
	AC	5,989,688	11/1999	Barge et al.			
	AD	5,997,521	12/1999	Robles et al.			
	AE	6,002,064	12/1999	Kobyliwker et al.			
	AF	6,004,306	12/1999	Robles et al.			
	AG	6,015,764	01/2000	McCormack et al.			
	AH	6,022,431	02/2000	Blenke et al.			
	AI	6,022,432	02/2000	Elsberg et al.			
	AJ	6,030,372	02/2000	Buell et al.			
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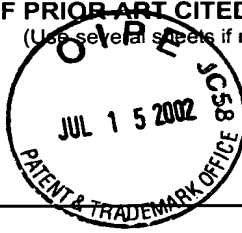
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RM	AA	6,050,985	04/2000	Lavon et al.			
	AB	6,051,094	04/2000	Melbye et al.			
	AC	6,086,571	07/2000	Guevara et al.			
	AD	6,132,411	10/2000	Huber et al.			
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	AF	6,020,536	02/2000	Österdahl et al.			
	AG	Des. 403,401	12/1998	Bernard et al.			
	AH	Des. 403,403	12/1998	Bernard et al.			
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AL		WO 99/53878	10/1999	PCT				
AM		WO 99/65438	12/1999	PCT				
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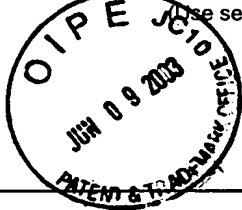
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,443,513	04/1984	Meitner et al.			
	AB	4,663,220	05/1987	Wisneski et al.			
	AC	4,704,116	11/1987	Enloe			
	AD	4,798,603	01/1989	Meyer et al.			
	AE	4,965,122	10/1990	Morman			
	AF	4,981,747	01/1991	Morman			
	AG	5,114,781	05/1992	Morman			
	AH	5,176,668	01/1993	Bernardin			
	AI	5,176,671	01/1993	Roessler et al.			
	AJ	5,176,672	01/1993	Bruemmer et al.			
	AK	5,192,606	03/1993	Proxmire et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
AL		WO 83/01338	04/1983	PCT				
AM		EP 0 217 032	04/1987	EPO				
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,226,992	07/1993	Morman			
	AB	5,244,482	09/1993	Hessenboehler, Jr. et al.			
	AC	5,309,913	04/1996	Hanson et al.			
MC	AD	6,036,805	03/2000	McNichols			
	AE	6,287,287	09/2001	Elsberg			
	AF	6,552,245	04/2003	Roessler et al.			
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